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UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL RESEARCH SERVICE

Tables on Hatchery and Flock Participation in the National Poultry Improvement Plan
By States and Divisions, 1962-63 and 1963-64 and
U. S. Summary 1958-59 to date



U. S. DEPT. OF AGRICULTURE

OCT 9 1964

CURRENT SERIAL RECORDS

HIGHLIGHTS

The number of hatcheries participating in the National Poultry Improvement Plan decreased in 1963-64 while the average hatching egg capacity continued to increase. The total hatching egg capacity of the South Central region showed an increase of over 5 million eggs while the capacity of all other regions decreased.

Breeding birds in participating flocks increased 2.4 percent over 1962-63 to 35.8 million. The South Atlantic and South Central regions both had substantial increases while the other regions showed some decline. The average size of participating flocks in 1963-64 was 1,928 birds, which reflects a 100 percent increase in flock size during the last five years.

The number of birds reacting to the pullorum-typhoid test rose slightly to .006 percent. This represented one reactor in every 18,156 birds tested as compared to one reactor in every 19,623 birds tested in 1962-63.

Over 94 percent of the birds in participating flocks qualified for a breeding classification while 96.3 percent qualified as U. S. Pullorum-Typhoid Clean.

Table 1 - Hatchery Participation in the National Poultry Improvement Plan, by States and Divisions, 1962-63 and 1963-64

	1962-	-63	1963-64			
State and Division	Number	Egg Capacity	Number	Egg Capacity		
Maine	13	6,686,376	10	6,598,736		
New Hampshire	11	2,536,000	9	2,310,000		
Vermont	5	102,080	4	102,580		
Massachusetts	55	3, 494, 412	52	3, 484, 759		
Chode Island	6	438, 200	6	509, 490		
Connecticut	36	8,131,025	31	7,484,255		
lew York	28	3,815,960	22	3,359,200		
lew Jersey	36	5, 156, 630	37	4,995,950		
Pennsylvania	69	12,631,536	58	11, 440, 128		
ORTH ATLANTIC	259	42,992,219	229	40,285,098		
)hio	77	9,626,206	73	9,298,156		
ndiana	128	18,380,000	112	16,483,000		
llinois	109	13, 305, 640	101	12,912,138		
Michigan	45	4, 165, 211	38	3,773,443		
Visconsin	28	3,602,660	22	3,417,920		
AST NORTH CENTRAL	387	49,079,717	346	45,884,657		
Minnesota	109	10,847,100	107	9,854,000		
owa	65	9,271,000	55	7,683,720		
Missouri	75	17,439,620	80	17,820,759		
Iorth Dakota	22	1,888,756	20	1,734,350		
outh Dakota	33	3,265,560	38	3,930,360		
lebraska	49	5, 238, 143	48	4,915,005		
ansas	62	4,715,010	47	3,591,940		
VEST NORTH CENTRAL	415	52,665,189	395	49,530,134		
Delaware	18	10, 238, 584	18	10,908,154		
Maryland	27	16,640,000	26	17,477,520		
'irginia	42	12,047,822	35	12, 555, 120		
Vest Virginia	7	1,290,000	6	1,033,220		
North Carolina	93	23,987,726	87	23,592,164		
outh Carolina	17	3,127,300	15	2,860,300		
Georgia	146	46,674,634	132	44,855,998		
Clorida	37	5,980,628	33	5,912,140		
OUTH ATLANTIC	387	119,986,694	352	119,194,616		
entucky	24	2,024,800	19	1,487,800		
ennessee	26	3,337,740	24	3,170,340		
labama	32	11,732,018	30	14,992,592		
Mississippi	45	18,971,106	43	19,556,402		
rkansas	44	19,515,524	42	22, 261, 728		
ouisiana	7	1,042,000	8	1,048,000		
klahoma	25	3,853,560	25	3,863,260		
exas	15	3,046,680	14	2,466,480		
OUTH CENTRAL	218	63, 523, 428	205	68,846,602		
Montana	13	925,800	13	854,060		
daho	11	714,700	11	872,740		
Vyoming	2	95,000	2	95,000 902,000		
Colorado	8	996,000	996,000 7			
lew Mexico	1	50,000	1	50,000		
Arizona	5	359,000	5	413,000		
Jtah	9	1,031,000	9	991,000		
Washington	23	3,558,516	22	3,596,316		
Oregon	19	3,230,000	19	2,997,020		
California	19	4,916,000	14	3,988,000		
WESTERN	110	15,921,016	103	14,759,136		
UNITED STATES	1,776	344, 168, 263	1,630	338, 500, 243		

Table 2 - Flock Participation in the National Poultry Improvement Plan by States and Divisions, 1962-63 and 1963-64

		1962-63)	1963-64			
State and Division			Avg. Birds			Avg. Birds	
	Flocks	Birds	per flock	Flocks	Birds	_per flock	
Maine	222	1,544,491	6,957	174	1,170,658	6,728	
New Hampshire	82	429,039	5,232	73	382,073	5,234	
Vermont	62	97, 952	1,580	54	78,523	1,454	
Massachusetts	141	521,123	3,696	189	441,667	2,337	
Rhode Island	34	51,167	1,505	22	39,864	1,812	
Connecticut	195	450,052	2,308	172	417,441	2,427	
New York	88	354,069	4,024	74	334,006	4,514	
New Jersey	113	399,776	3,538	101	406,500	4,025	
Pennsylvania	610	1,283,894	2,105	500	1,283,017	2,566	
NORTH ATLANTIC	1,547	5,131,563	3,317	1,359	4,553,749	3,351	
Ohio	992	570,074	575	784	463,453	591	
Indiana	1,970	1,485,202	754	1,694	1,314,997	776	
Illinois	1,472	840,443	571	1,432	725,384	507	
Michigan	192	209,815	1,093	170	211,193	1,242	
Wisconsin	288	216,149	751	208	183,570	883	
EAST NORTH CENTRAL	4,914	3,321,683	676	4,288	2,898,597	676	
Minnesota	893	982,940	1,101	779	851,723	1,093	
Iowa	1,275	806,843	633	862	627, 269	·728	
Missouri	3,079	1,192,717	387	2,728	1,136,279	417	
North Dakota	293	87,837	300	243	89,613	369	
South Dakota	341	184,315	541	287	171,026	596	
Nebraska	496	274, 764	554	413	238, 993	579	
Kansas	515	251,755	489	439	243,837	555	
WEST NORTH CENTRAL	6,892	3,781,171	549	5,751	3,358,740	584	
Delaware	185	522, 528	2,824	189	473,722	2,506	
Maryland	184 625	311,406	1,692	141 576	357, 948	2,539	
Virginia West Virginia	147	1,083,442	1,734 339	110	1,084,583	1,883	
North Carolina	1,748	49,825 4,853,457	2,777	1,684	40,221 5,501,107	366 3,267	
South Carolina	123	386,036	3,139	1,084	351,687	3,207	
Georgia	1,067	5,677,513	5,321	1,114	6,104,666	5,480	
Florida	71	295, 957	4,168	59	292,411	4,956	
SOUTH ATLANTIC	4,150	13, 180, 164	3,176	3,982	14, 206, 345	3,568	
Kentucky	183	72,383	396	144	63,027	438	
Tennessee	346	408, 939	1,182	263	397, 164	1,510	
Alabama	463	2,261,191	4,884	505	2,662,214	5,272	
Mississippi	445	1,871,329	4,205	456	2,192,055	4,807	
Arkansas	768	2,493,856	3,247	847	3, 252, 423	3,840	
Louisiana	75	325, 122	4,335	81	375,837	4,640	
Oklahoma	347	143,101	412	303	217,398	717	
Texas	87	360,962	4,149	35	260,710	7,449	
SOUTH CENTRAL	2,714	7,936,883	2,924	2,634	9,420,828	3,577	
Montana	48	45,494	948	45	38,111	847	
Idaho	47	52,754	1,122	48	51,528	1,074	
Wyoming	12	2,293	191	8	1,444	181	
Colorado	79	48,453	613	29	18,280	630	
New Mexico							
Arizona	6	26,890	4,482	6	28,475	4,746	
Utah	34	55,220	1,624	26	44,193	1,700	
Washington	128	356,332	2,784	135	401,804	2,976	
Oregon	188	250,615	1,333	187	241,015	1,289	
California	68	746,736	10,981	47	496,158	10,557	
WESTERN UNITED STATES	610	1,584,787 34,936,251	2,598	531	1,321,008	2,488	
	20,827	1 34 03/ 351	1 1 / 77	18,545	35, 759, 267	1,928	

Table 3 - Summary of Hatchery Participation in the National Poultry Improvement Plan, 1958-59 to 1963-64, inclusive

		1958-59	1959-60	1960-61	1961-62	1962-63	1963-64
Number Hatcheries		2,726	2,280	2,098	1,997	1,776	1,630
Hatching Egg Capacity		401,639,041	375,589,704	364,752,001	361,624,185	344, 168, 263	338,500,243
Percent Increase	No.	-0.33	-16.1	-7.98	-4.81	-11.1	-8.2
or Decrease	Cap.	+3.34	-6.5	-2.88	-0.86	-4.8	-1.6
Avg. Cap. per Hatchery		147,824	164,732	173,857	181,084	193,788	207,669
A. M. S. Hatchery	No.	4,257		3,513		2,900	
Estimate	Cap.	530,057,000		508,500,000		493,797,000	
Percent of A. M. S.	No.	63.8		59.7		61.2	,
Estimate Participating	Cap.	75.8		71.7		69.7	
U. S. Approved	No.	2,360	2,092	1,938	1,823	1,626	1,496
and	Cap.	368,530,358	347,807,969	338, 282, 747	336,220,227	320,824,361	318,823,319
Certified 1/	Per.	91.8	92.6	92.7	93.0	93.2	94.2
Pullorum Classes	No.	357	188	160	174	150	134
Only (no breeding	Cap.	33,108,683	27,781,735	26,469,254	25,403,958	23,343,902	19,676,924
stage) 2/	Per.	8.2	7.4	7.3	7.0	6.8	5.8
U.S.	No.	227	122	81	81	67	65
Pullorum-Typhoid	Cap.	31,160,402	23,894,478	17,868,952	16,784,270	16,759,727	17,986,800
Passed 3/	Per.	7.8	6.4	4.9	4.6	4.9	5.3
U.S.	No.	2,490	2,158	2,017	1,916	1,709	1,565
Pullorum-Typhoid	Cap.	370, 478, 639	351,695,226	346,883,049	344,839,915	327, 408, 536	320,513,443
Clean 4/	Per.	92.2	93.6	95.1	95.4	95.1	94.7

^{1/} Produced U. S. Approved and/or U. S. Certified chicks. 3/ Produced U. S. Pullorum-Typhoid Passed chicks. 7 Produced no U. S. Approved or U. S. Certified chicks. 4/ Produced U. S. Pullorum-Typhoid Clean chicks.

Table 4 - Summary of Flock Participation in the National Poultry Improvement Plan,

1958-59 to 1963-64, inclusive

			1958-59	1959-60	1960-61	1961-62	1962-63	1963-64
Number Flocks		50,333	36,838	31,846	28,301	20,827	18,545	
Number B	irds		39,936,492	36,100,789	36,599,927	36,989,724	34,936,251	35, 759, 267
Percent In	crease	Flocks	-1.7	-26.8	-13.6	-11.1	-26.4	-11.0
or Decrea	se	Birds	+11.3	-9.6	+1.4	+1.0	-5.6	+2.4
Avg. No.	Avg. No. Birds per Flock		793	980	1,149	1,307	1,677	1,928
U.S.		Flocks	47,436	35,104	30,506	26,724	19,544	17,132
Approve	ed.	Birds	35,421,250	32,472,541	33,121,994	32,831,026	31,233,141	32,466,185
		Per.	88.7	90.0	. 90.5	88.8	89.4	90.8
U.S.	U.S.		1,098	641	354	490	382	579
Certified		Birds	956,931	628,572	556,065	1,157,355	1,068,084	1,210,897
		Per.	2.4	1.7	1.5	3.1	3.1	3.4
Pullorum Classes		Flocks	1,799	1,093	986	1,087	901	834
Only (no breeding		Birds	3,558,311	2,999,676	2,921,868	3,001,343	2,635,026	2,082,185
stage)		Per.	8.9	8.3	8.0	8.1	7.5	5.8
U.S.		Flocks	2,727	1,198	361	430	372	347
Pullorum-	Typhoid	Birds	1,758,961	1,170,178	707,028	1,473,480	1,418,427	1,337,423
Passed		Per.	4.4	3.2	1.9	4.0	4.1	3.7
U.S.		Flocks	47,606	35,640	31,485	27,871	20,455	18,198
Pullorum-Typhoid		Birds	38,177,531	34,930,611	35,892,899	35,516,244	33,517,824	34,421,844
Clean		Per.	95.6	96.8	98.1	96.0	95.9	96.3
	No	Flocks	50,832	37,857	33,334	28,869	21,272	18,816
FIRST	No.	. Birds	40,716,266	37,030,568	37,124,938	37,596,298	35, 236, 200	36, 257, 094
TEST	No. Re	eactors	9,920	6,812	4,892	6,950	1,797	1,997
	Percent Re	eactors	.024	.018	.013	.018	.005	.006

Information in this report was compiled by the Animal Husbandry Research Division, Agricultural Research Service.